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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet | 1 | of | 1

Complete if Known	
Application Number	10/679998
Filing Date	October 07, 2003
First Named Inventor	REBECCA E. CAHOON
Group Art Unit	1638
Examiner Name	UNKNOWN
Attorney Docket Number	BB1148USCNT

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.[1]	Document Number Number – Kind Code[2] (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PMB		US -	6,162,965	12-19-00	GENEVIEVE HANSEN	
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Examiner Initials*	Cite No.[1]	Foreign Patent Document CountryCode[3] Number[4] Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
PTB		EP 0892 048 A	01-20-99	ROBERT KORNELUK ET AL.		☐
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Examiner Signature	Phuong T Bui	Date Considered	11/9/05

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
AB		YOSHIKAZU TANAKA ET AL., dad-1, A putative programmed cell death suppressor gene in rice, Plant Cell Physiol., 1997, vol. 38(3):379-383	☐
		PATRICK GALLOIS ET AL., An Arabidopsis thaliana cDNA complementing a hamster apoptosis suppressor mutant, Plant Journal, 1997, vol. 11(6):1325-1331	☐
		DIEGO ORZAEZ ET AL., The plant homologue of the defender against apoptotic death gene is down-regulated during senescence of flower petals, FEBS Letters, 1997, vol. 404:275-278	☐
		SUNEEL S. APTE ET AL., The highly conserved defender against the death 1 (DAD1) gene maps to human chromosome 14q11-q12 and mouse chromosome 14 and has plant and nematode homologs, FEBS Letters, 1995, vol. 363:304-306	☐
		ASAKO SUGIMOTO ET AL., dad-1, an endogenous programmed cell death suppressor in Caenorhabditis elegans and vertebrates, EMBO J., 1995, vol. 14(18):4434-4441	☐
		DANIEL J. KELLEHER ET AL., dad1, the defender against apoptotic cell death, is a subunit of the mammalian oligosaccharyltransferase, Proc. Natl. Acad. Sci., 5/97, vol. 94:4994-4999,	☐
		ALISON J. MASTRANGELO ET AL., Overcoming apoptosis: new methods for improving protein-expression systems, 1998, vol. 16:88-95	☐
		V.S. VYSOTSKAIA ET AL., The sequence of BAC F21M12 from Arabidopsis thaliana chromosome 1, EMBL Sequence Data Library, 3/19/97, Accession No. AC000132	☐
		D. L. CARSON ET. AL., Sugarcane cDNA from leaf roll tissue, EMBL Sequence Data Library, 10/16/96, Accession No. AA 080664	☐
		O. CHAO ET AL., Genomic sequences for Arabidopsis thaliana BAC F17F8, EMBL Sequence Data Library, 1/30/97, Accession No. AC000107	☐
		C.O. LIM ET AL., Generation of expressed sequence tags from random sequencing of chinese cabbage (Brassica campestris L. ssp. Pekinensis) flower bud cDNA clones, EMBL Sequence Data Library, 9/5/95, Accession No. L46557	☐

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PTB		M. BEVAN ET AL., Analysis of 1.9 Mb of Contiguous Sequence from Chromosome 4 of Arabidopsis thaliana, Nature, 1/29/98, 391:485-488	☐
		P. LISTON ET AL., Suppression of apoptosis in mammalian cells by NAIP and a related family of IAP Genes, Nature, 1/25/1996, vol. 379(6563):349-353	☐
		Q. L. DEVERAUX ET AL., X-Linked IAP is a Direct Inhibitor of Cell-Death Proteases, Nature, 7/17/97, vol. 388:300-304	☐
		HERMAN STELLER, Artificial death switches: Induction of apoptosis by chemically induced caspase multimeriaztion, Proc. Natl. Acad. Sci., 5/98, vol. 95:5421-5422	☐
		National Center for Biotechnology Information General Identifier No. 2723473, Accession No. D89726, 6/8/98, YOSHIKAZU TANAKA ET AL., dad-1, A putative programmed cell death gene in rice	☐
		National Center for Biotechnology Information General Identifier No. 2623638; Accession No. AF030172, 4/17/98, A. DANON ET AL., AtDAD2: A new gene from the DAD1 family in Arabidopsis	☐
		National Center for Biotechnology Information General Identifier General Identifier No. 2623761. Accession No. U83857, 4/17/98, M. TEWARI, AAC-11, A novel cDNA that inhibits apoptosis after growth factor withdrawal	☐
		National Center for Biotechnology Information General Identifier No. 3869255, Accession No. U79562, 11/13/98, D. ORZAEZ ET AL., The plant homologue of the defender against apoptotic death gene is down-regulated during senescence of flower petals	☐
		National Center for Biotechnology Information General Identifier No. 3608136, Accession No. AC005314, 11/23/98, S. D. ROUNSLEY ET AL., Arabidopsis thaliana chromosome II BAC T32F12 genomic sequence	☐
		P. LISTON ET AL. Life and death decisions: the role of the IAPs in modulating programmed cell death, Apoptosis 1997, 2:423-441	☐
			☐

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Notice of References Cited

Application No.	Applicant(s)
~~09/601929~~	Cahoon et al.

Examiner	Group Art Unit	Page
P Bui	1638	1 of 1

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
	N						
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	Q						
	R						
	S						
	T						

NON-PATENT DOCUMENTS

*		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	U	Bork, P. Genome Research. Vol. 10, 2000, p. 398-400	
	V	Lazar et al. Molecular + Cellular Biology, Mar. 1988 Vol. 8, No. 3, p. 1247-1252.	
	W	Burgess et al. The Journal of Cell Biology, 1990 Vol. 111, p. 2129-2138	
	X	Broun et al. Science, 13 Nov. 1998, Vol. 282, p. 131-133.	

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